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U.S. Army Influenza Activity Report

Week Ending 15 February 2014 (Week 7)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 19 FEB 2014

94%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

SYNOPSIS: The number of specimens testing positive for Influenza A continued to decline in week seven. All regions, except ERMC and PRMC, have shown declining trends from peaks earlier in the influenza season.

- **ILI Activity:** Army incident ILI outpatient visits in week seven were unavailable due to ESSENCE system outage.
- **Influenza cases:** Six hospitalized influenza cases have been reported to USAPHC through DRSi in week seven. To date, 86 cases have been reported during this influenza season: twenty in Active Duty (AD) Service Members (SMs) and 66 in non-AD beneficiaries.
- **Viral specimens:** During week seven, 301 of 1,138 (26%) laboratory specimens tested positive for respiratory pathogens. The most influenza A positive specimens were reported from SRMC (26%), while PRMC and ERMC accounted for 24% and 20%, respectively.

Geographic Spread

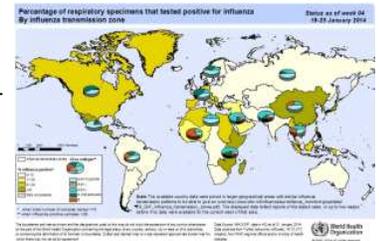


United States

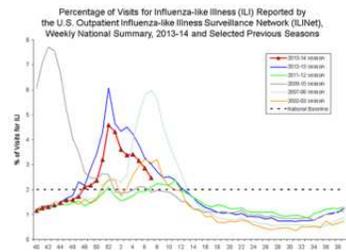
- In week seven, 39 states reported widespread and regional influenza activity. The District of Columbia, Guam and nine states reported local activity, while Colorado, Puerto Rico and Hawaii reported sporadic activity. The US Virgin Islands reported no influenza activity.

World Health Organization

- In Eastern Asia, influenza activity remained high with influenza A (H1N1)pdm09 predominating, with increases observed in some countries.

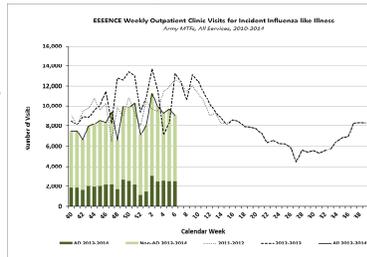


ILI Activity United States



- Nationwide during week seven, 2.5% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 1.3% to 3.8% across regions.

ILI Activity Army



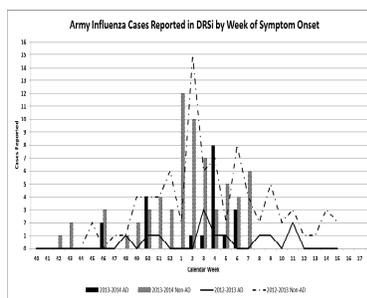
- Army incident ILI outpatient visits in week seven were unavailable due to ESSENCE system outage.
- The graph to the left represents outpatient clinic visits through week six.

Laboratory Respiratory Specimen Testing

Test Result	Week 4	Week 5	Week 6	Week 7	Season Total
Influenza A	370	352	238	184	3632
Influenza B	8	9	7	10	82
Adenovirus	11	18	22	12	194
Enterovirus	1	2	0	2	17
Parainfluenza	11	9	13	6	242
RSV	80	92	62	87	1022
Negative	1115	1199	1028	837	14714
Total Results	1596	1681	1370	1138	19903

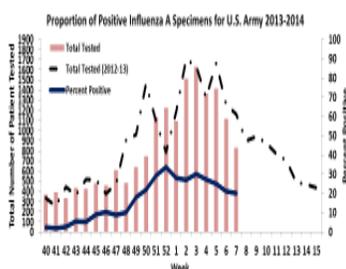
- In week seven, 26% (301) of respiratory specimens were positive.
- Influenza A accounted for 61% of positive specimens.
- RSV accounted for 29% of positive specimens, adenovirus for 4%, and parainfluenza for 2%. Influenza B accounted for 3% of positive specimens.

DRSi Influenza Case Reporting



- In week seven, six cases of influenza-associated hospitalizations were reported in DRSi, all of which were in non-AD beneficiaries.
- Eighty-six hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 74 hospitalized influenza cases were reported.

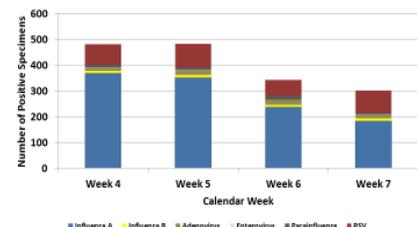
Laboratory Testing for Influenza A



- In week seven, 20% of influenza A tests were positive. This was a slight decrease from week six (21%).
- In week seven, 116 of the 184 (63%) positive influenza A specimens were reported in non-AD personnel.
- SRMC reported 47 (26%) of the total influenza cases. PRMC reported 44 (24%) positive influenza A specimens, and ERMC reported 37 (20%). NRMCM* reported 24 cases (13%) and WRMC reported 20 cases (11%). CENTCOM reported 12 positive specimens (7%).

*Not all MTFs in NRMCM reported data in week 7

Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)
Key: ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

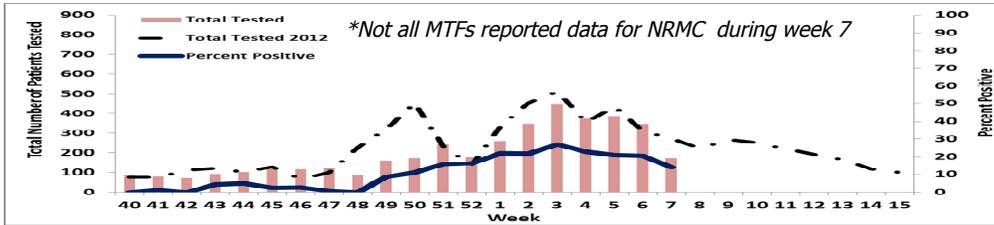
Questions?

Email USAPHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

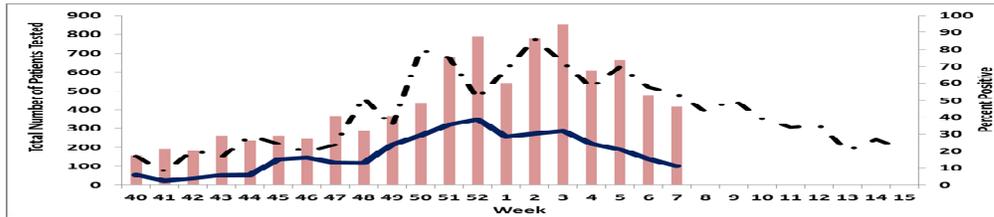
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)*



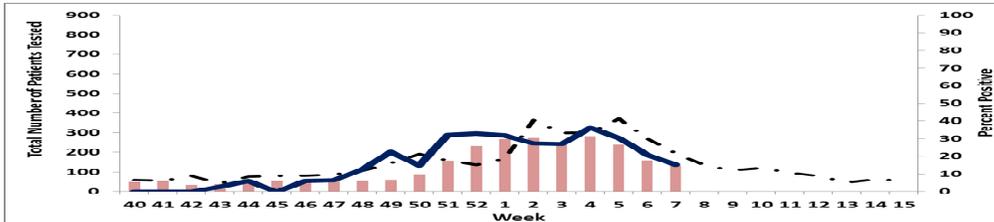
Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	15	294
18-29	2	3	115
30-39	2	0	98
40-49	0	2	59
50-59	0	0	36
60+	0	0	30
Total	4	20	632

Southern Regional Medical Command (SRMC)



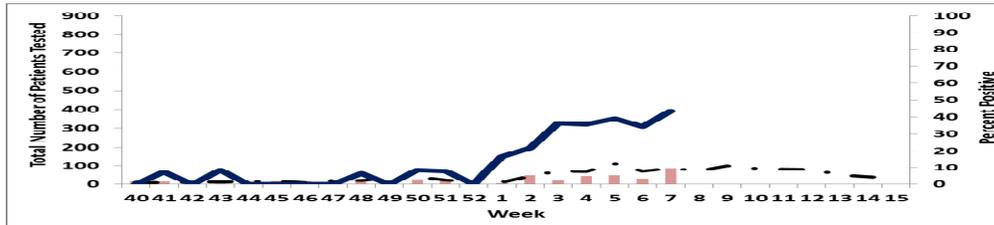
Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	8	2	878
18-29	9	3	364
30-39	1	1	276
40-49	0	2	199
50-59	0	3	185
60+	0	18	148
Total	18	29	2050

Western Regional Medical Command (WRMC)



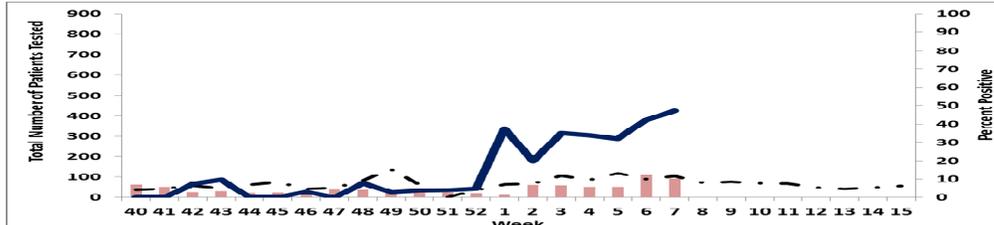
Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	8	317
18-29	1	2	114
30-39	2	3	73
40-49	0	1	58
50-59	0	3	40
60+	0	0	23
Total	3	17	625

Europe Regional Medical Command (ERMC)



Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	14	34
18-29	4	0	16
30-39	10	4	31
40-49	1	2	14
50-59	0	2	10
60+	0	0	1
Total	15	22	106

Pacific Regional Medical Command (PRMC)



Week 7			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	10	55
18-29	17	3	62
30-39	6	1	28
40-49	2	3	15
50-59	0	1	11
60+	0	1	6
Total	25	19	177

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 52		Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	2	27	6	51	32	44	31	90	19	66	20	61	20	51	4	20
SRMC	33	272	18	136	63	173	56	216	33	117	29	110	15	59	18	29
WRMC	8	68	8	78	7	68	14	52	15	87	12	61	8	25	3	17
ERMC	0	0	0	1	6	4	3	5	5	10	11	7	2	8	15	22
PRMC	0	1	1	5	4	8	2	19	5	13	10	7	24	22	25	19
CENTCOM	0	1	0	0	0	0	0	0	0	0	4	20	0	4	3	9

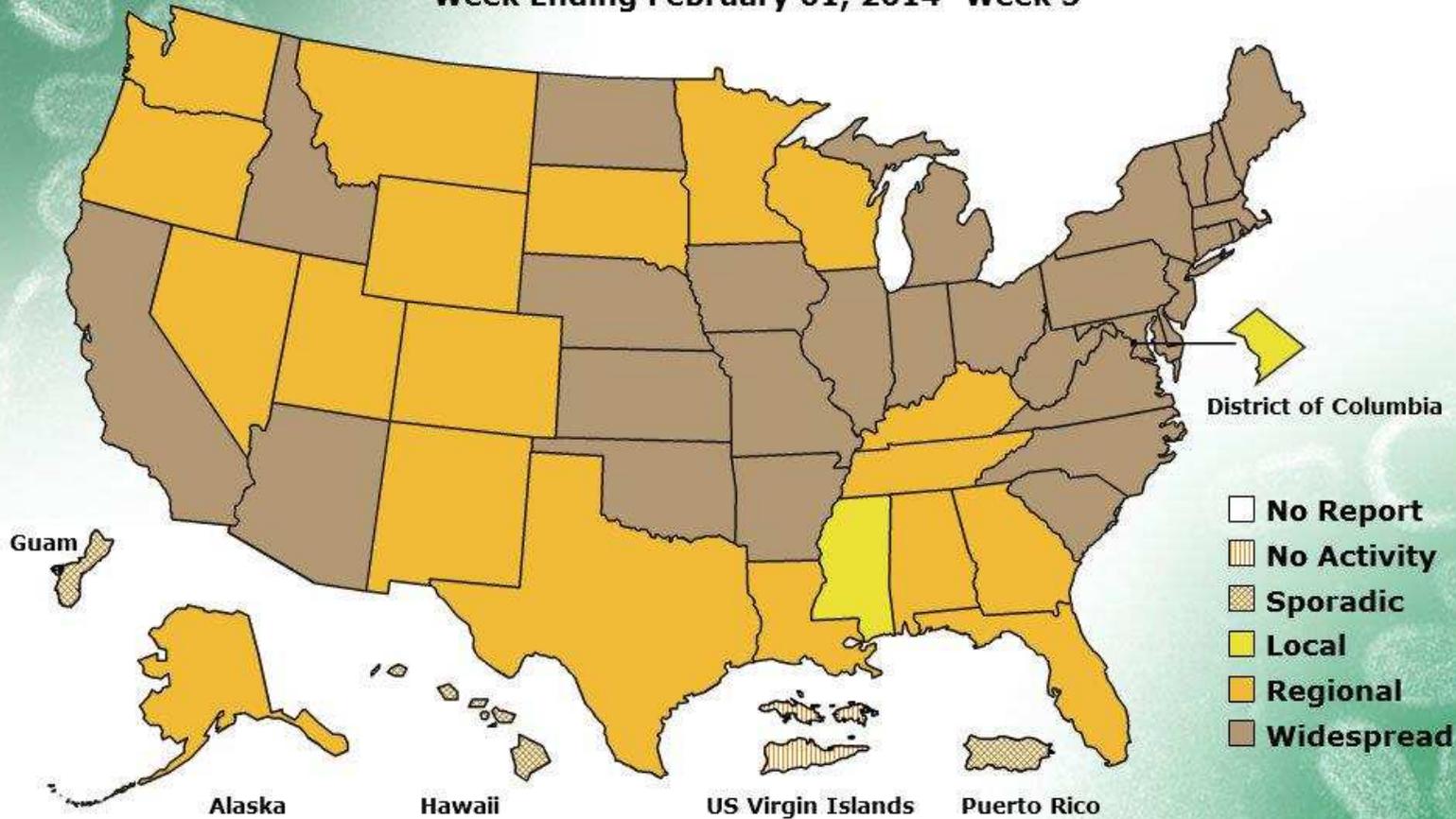
Locations providing week 7 laboratory data as of 20 February 2014: Korea, Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point.

FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists***

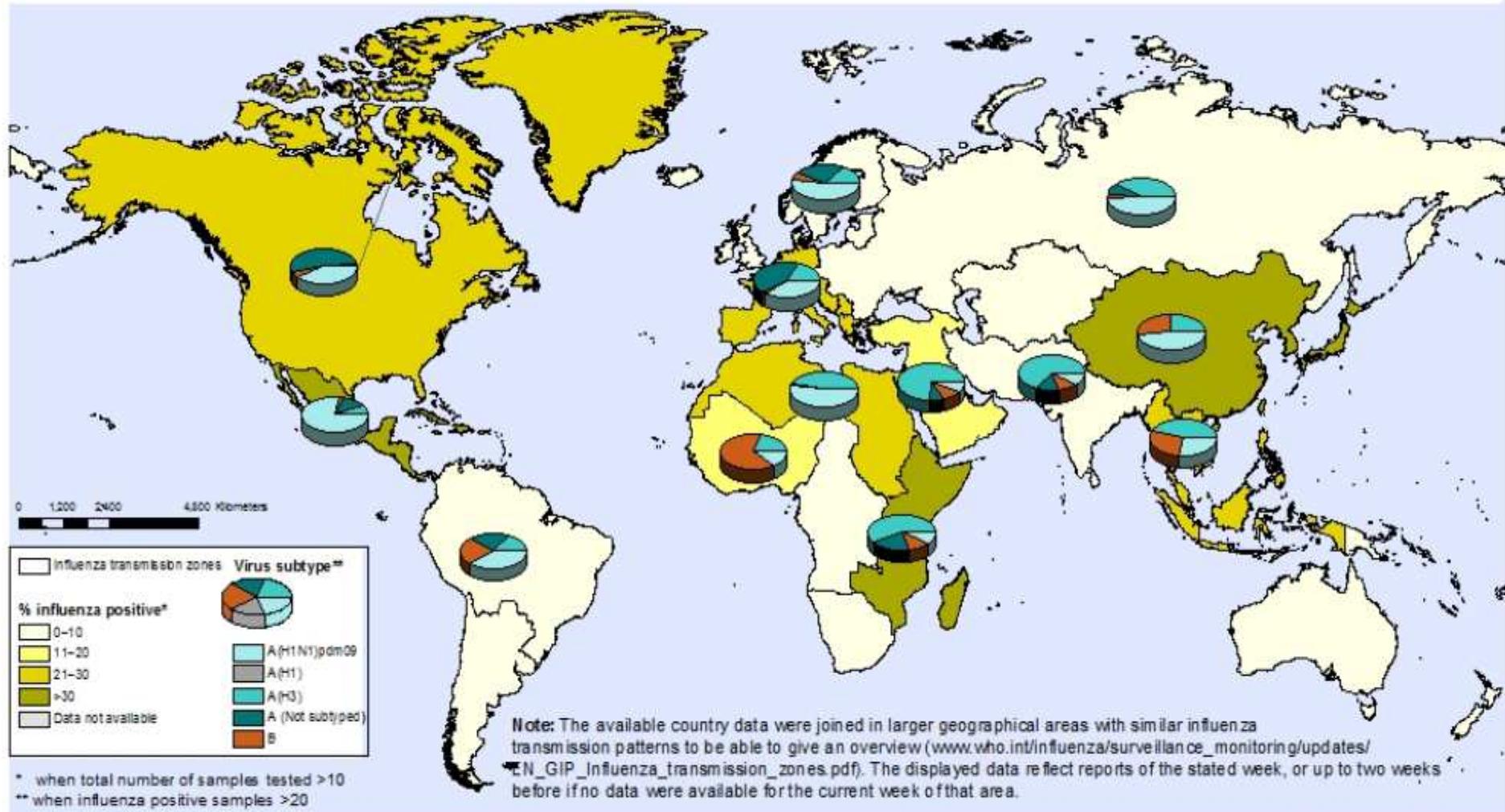
Week Ending February 01, 2014- Week 5



***This map indicates geographic spread and does not measure the severity of influenza activity.**

Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of week 04
19-25 January 2014



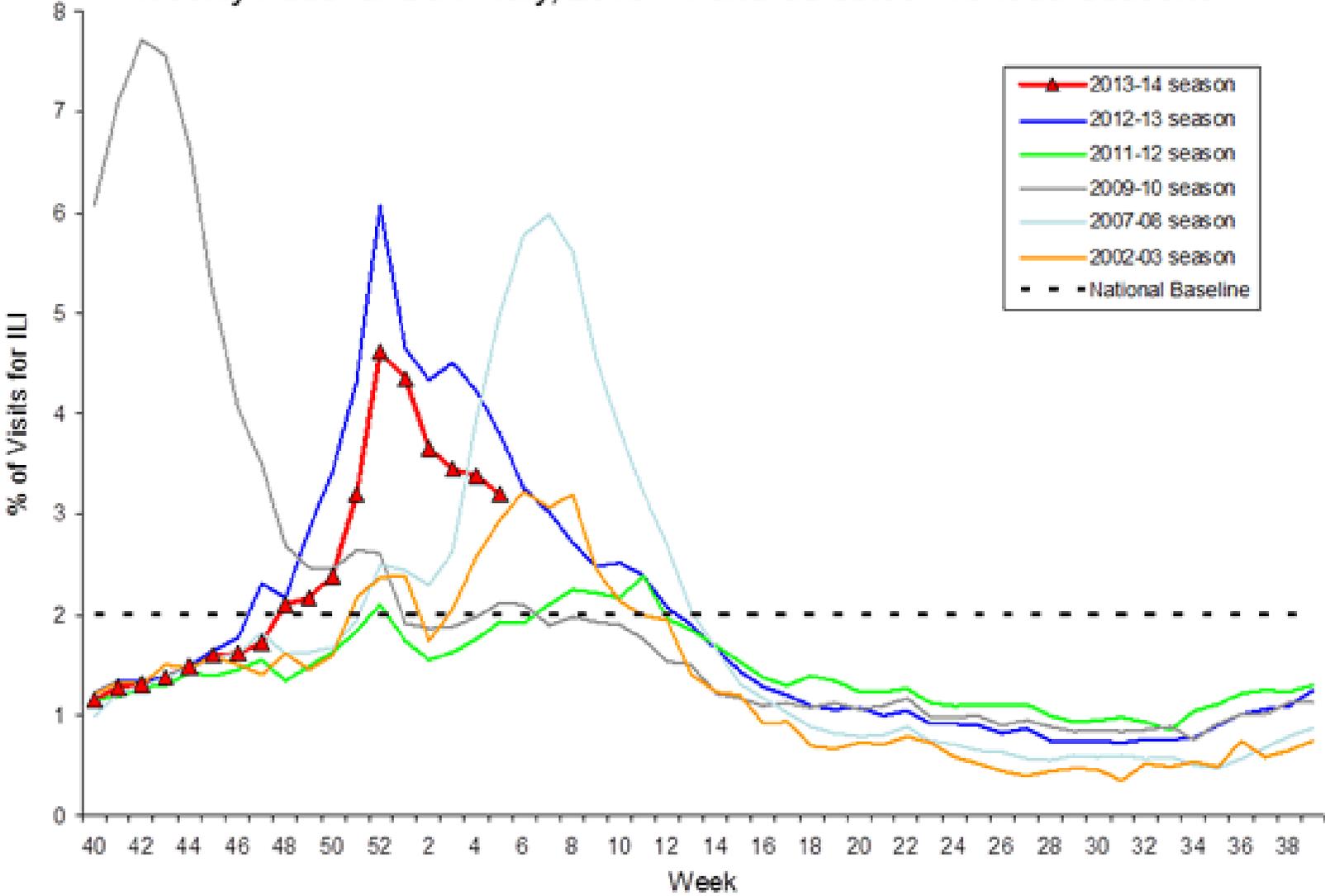
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: WHO/GIP, data in HQ as of 21 January 2014. Data used are from FluNet (www.who.int/flu-net), 14:10 UTC snapshot, from WHO regional offices and/or ministry of health websites.



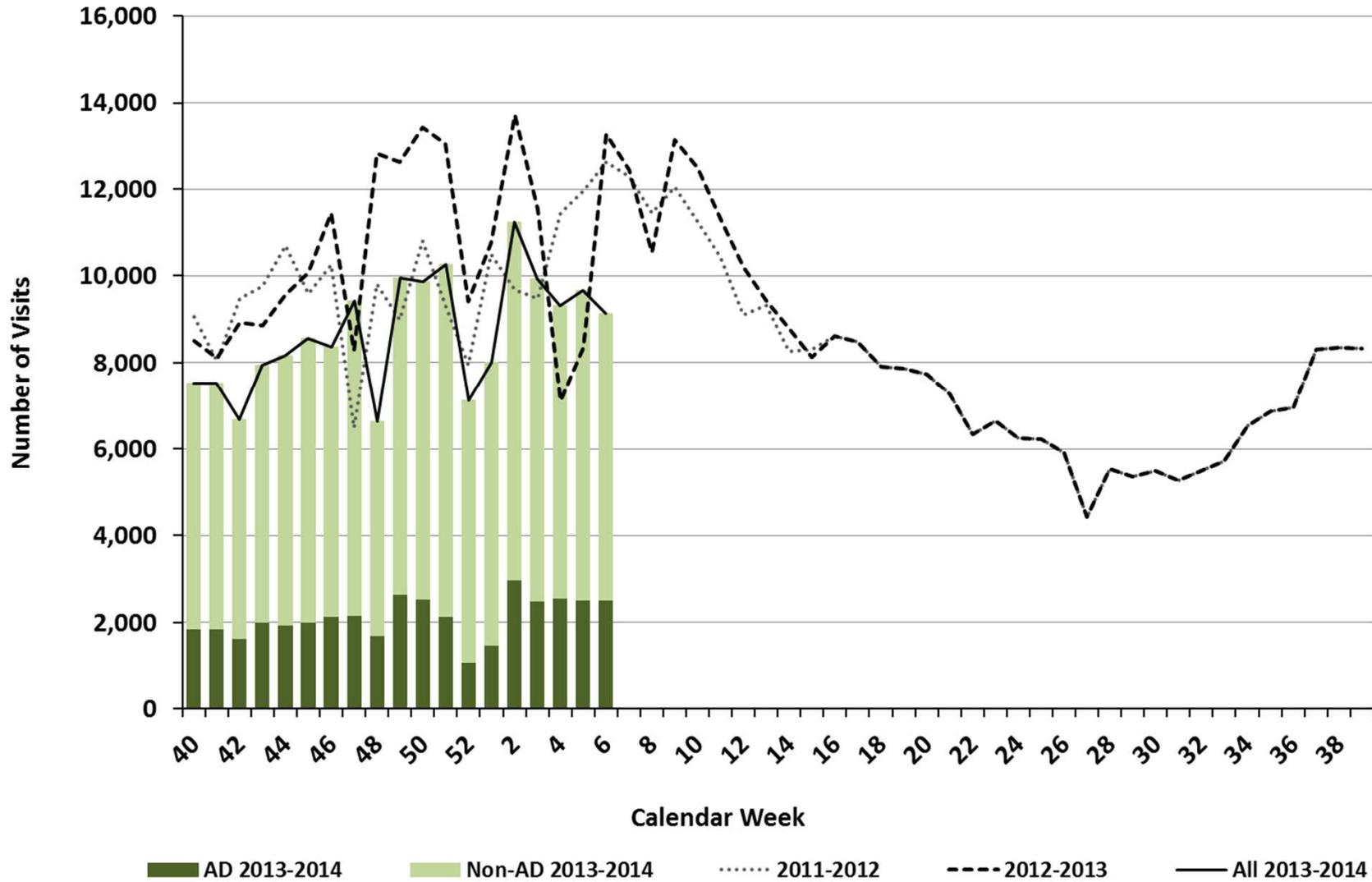
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Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2010-2014



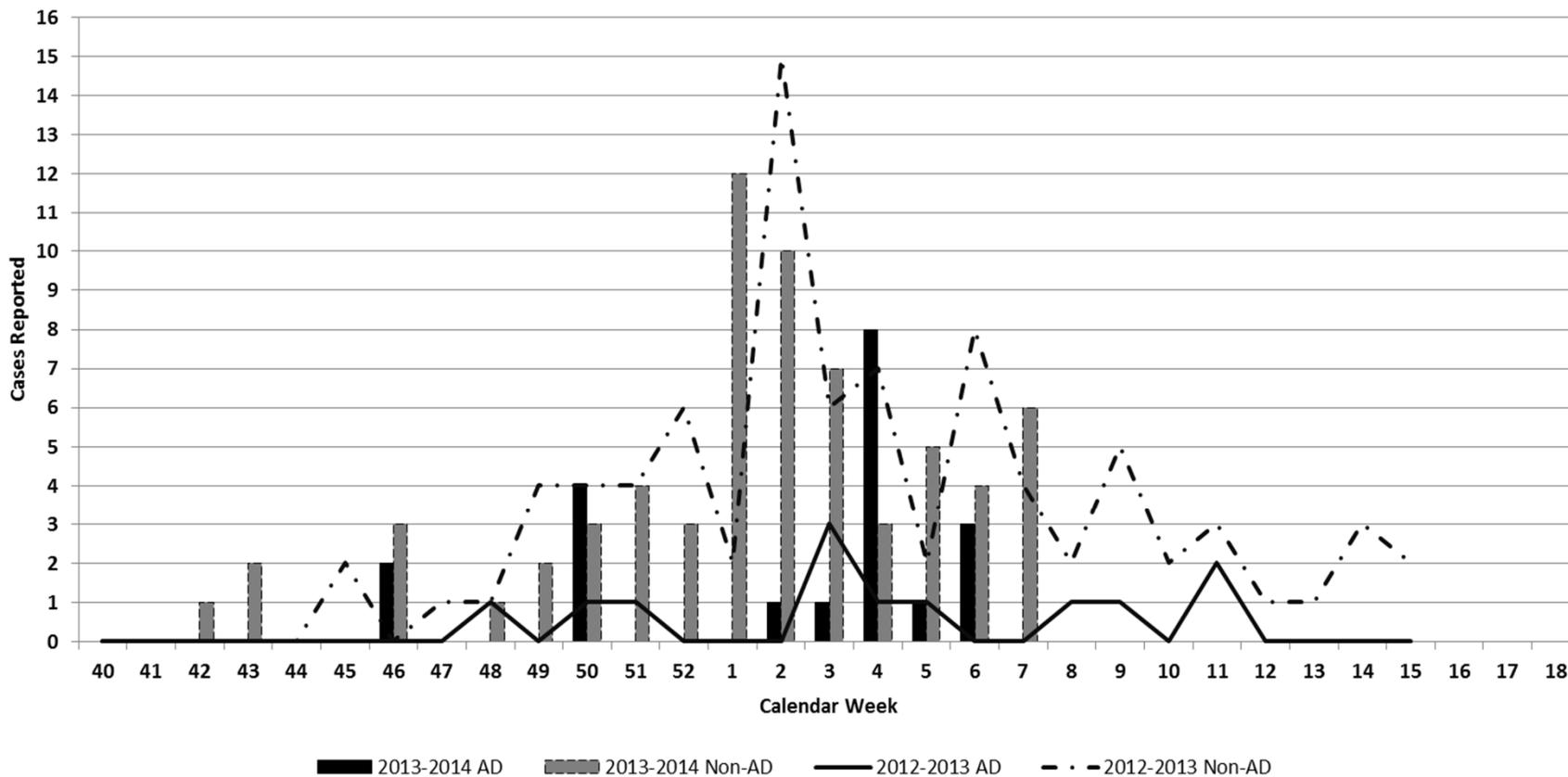
Clinic visits for ILI are obtained from ESSENCE. Data as of 12 February 2014.

Army MTF Laboratory Results, 2013-14

Test Result	Week 4	Week 5	Week 6	Week 7	Season Total
Influenza A	370	352	238	184	3632
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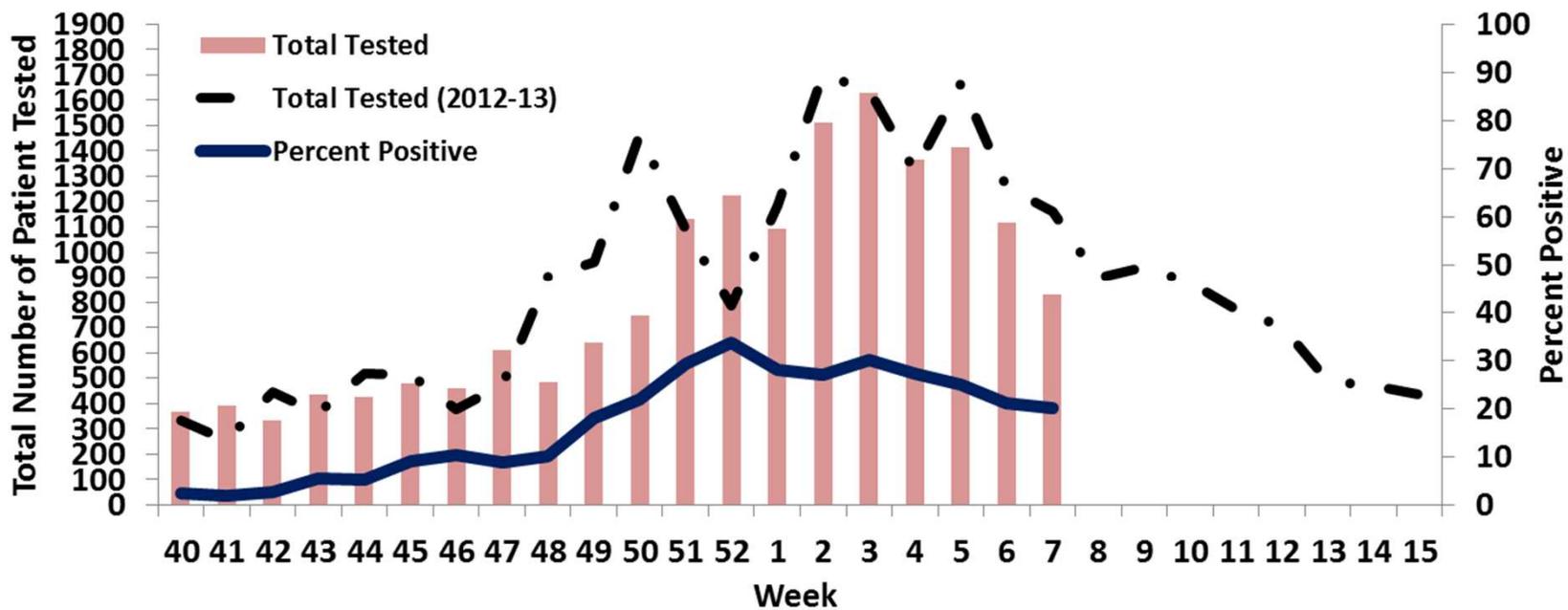


Army Influenza Cases Reported in DRSi by Week of Symptom Onset

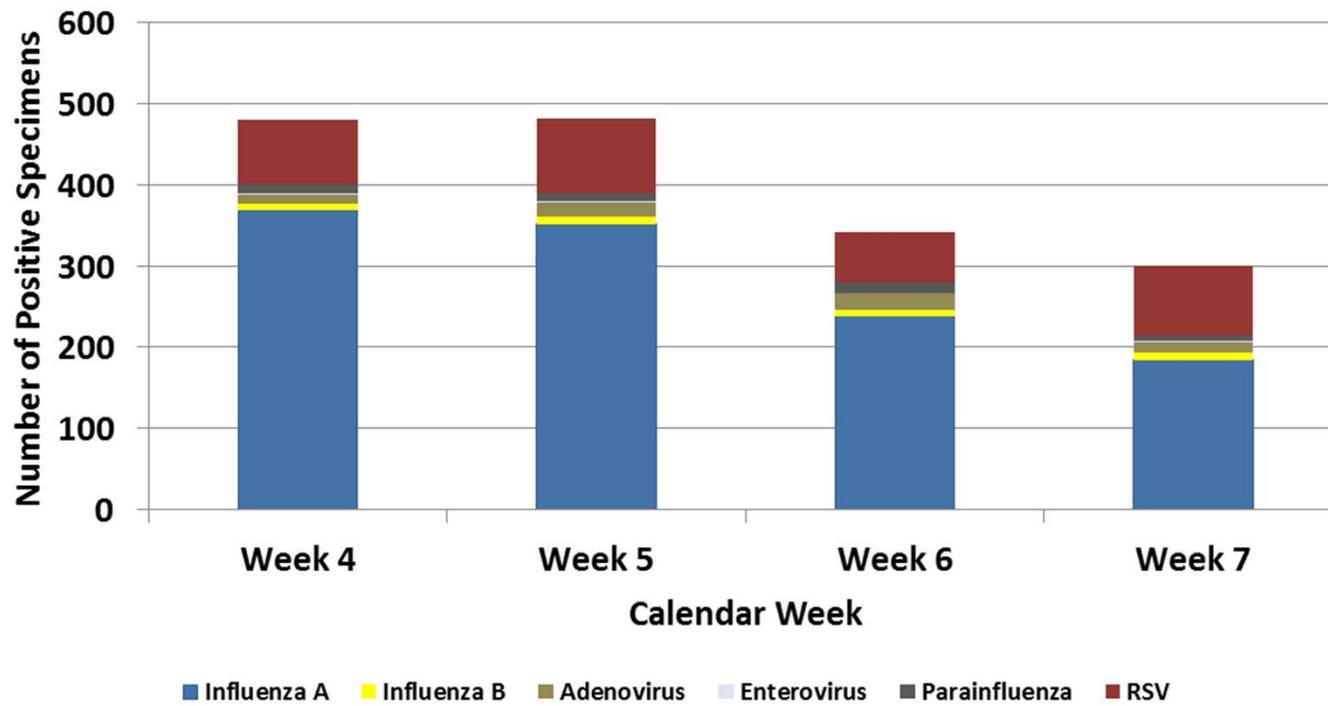


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
 Data as of 19 February 2014.

Proportion of Positive Influenza A Specimens for U.S. Army 2013-2014



Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



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CENTCOM	0	1	0	0	0	0	0	0	0	0	4	20	0	4	3	9